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CENTRAL INTELLIGENCE AGENCY

REPORT NO. 

## INFORMATION REPORT

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25X1A

COUNTRY Germany (Russian Zone)

DATE DISTR. 17 May 1951

SUBJECT Blast Furnace Installation for  
Eisenhüttenkombinat Ost

NO. OF PAGES 1

PLACE  
ACQUIRED

25X1C

NO. OF ENCLS. 1 (16 pages)  
(LISTED BELOW)DATE OF  
ACQUIREDSUPPLEMENT TO  
REPORT NO. 25X1X

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\* Documentary

SOURCE

1. The attached documents are photostatic copies of technical drawings from the Zentrales Konstruktionsbüro, Hauptabteilung Metallurgie, of the cowper (6.4 m in diameter) being built for use on blast furnace No. 1 of Eisenhüttenkombinat Ost. Three of these cowpers are being built for the blast furnace.

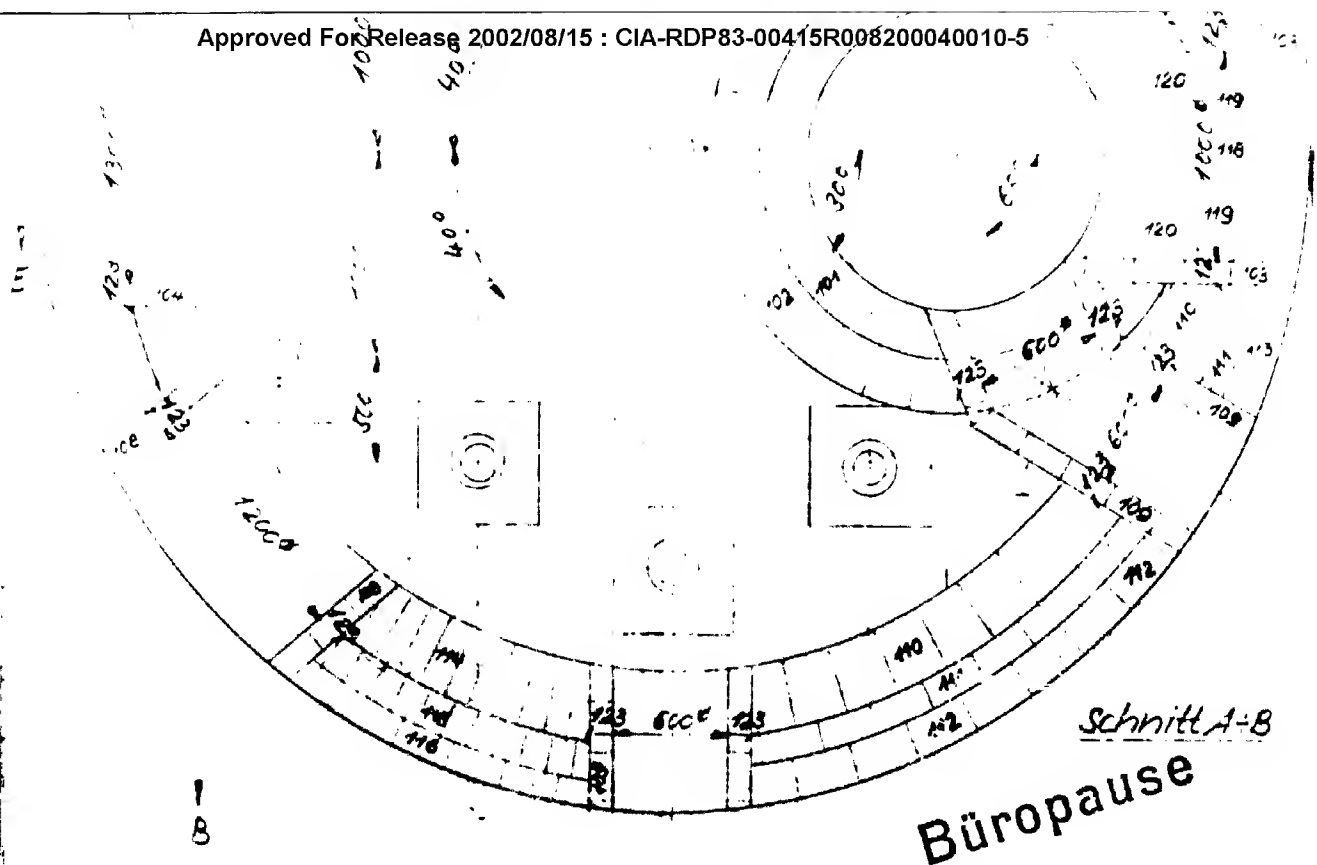
2. The attached material is forwarded to you for retention.

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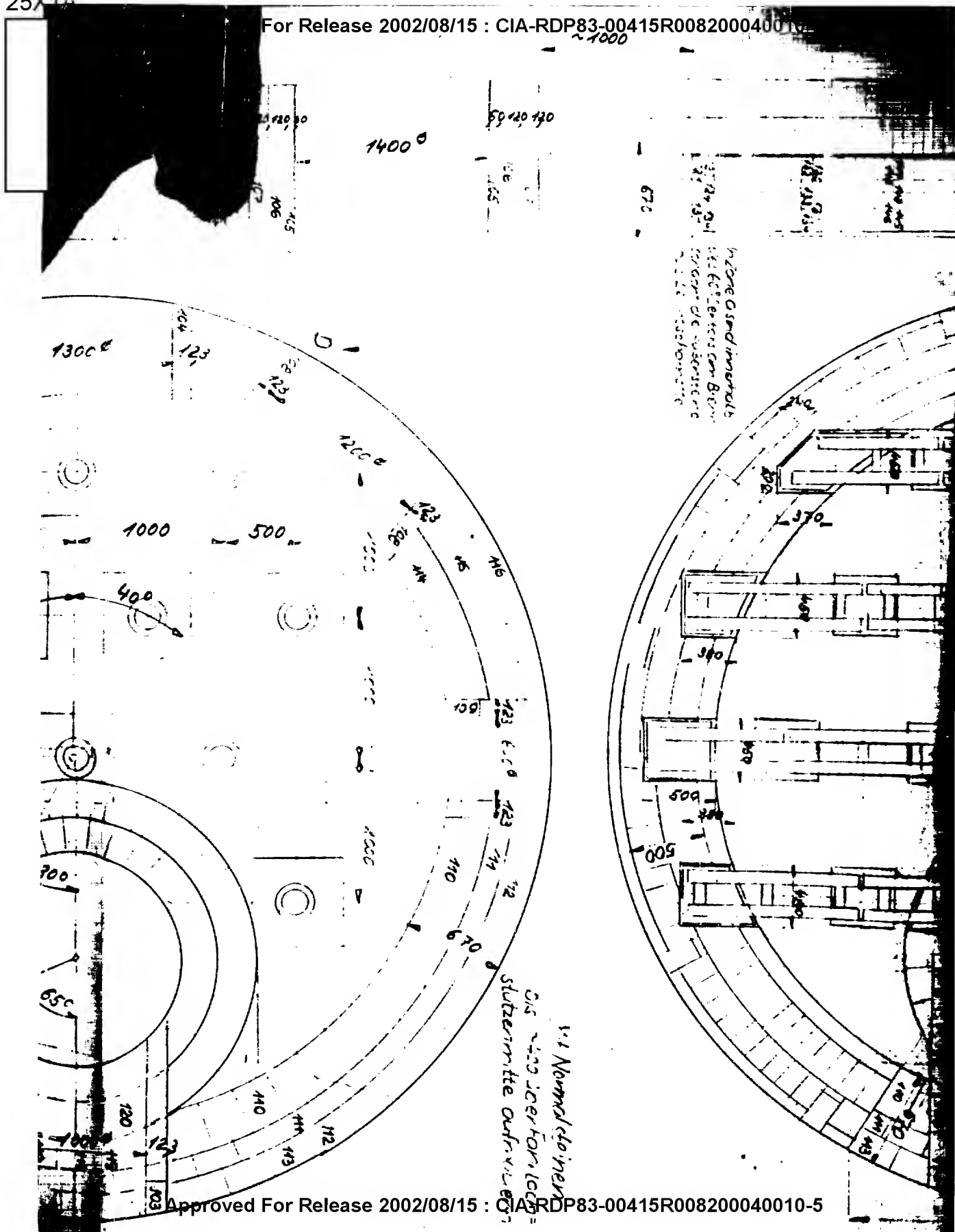


3x ausgeführt		ZKB	
ZKB		ZENTRALES KONSTRUKTIONSBÜRO	
ZKB		für Metallbauarbeiten Industrie	
ZKB		BERLIN	
1:50		Zeichnung-Nr.	
1:20		11 13 12-53-2 (0)	
Cowper 6,4m $\phi$		Blatt-Nr.	
11 13 12-53-3 (0)		Pause Nr. 1	

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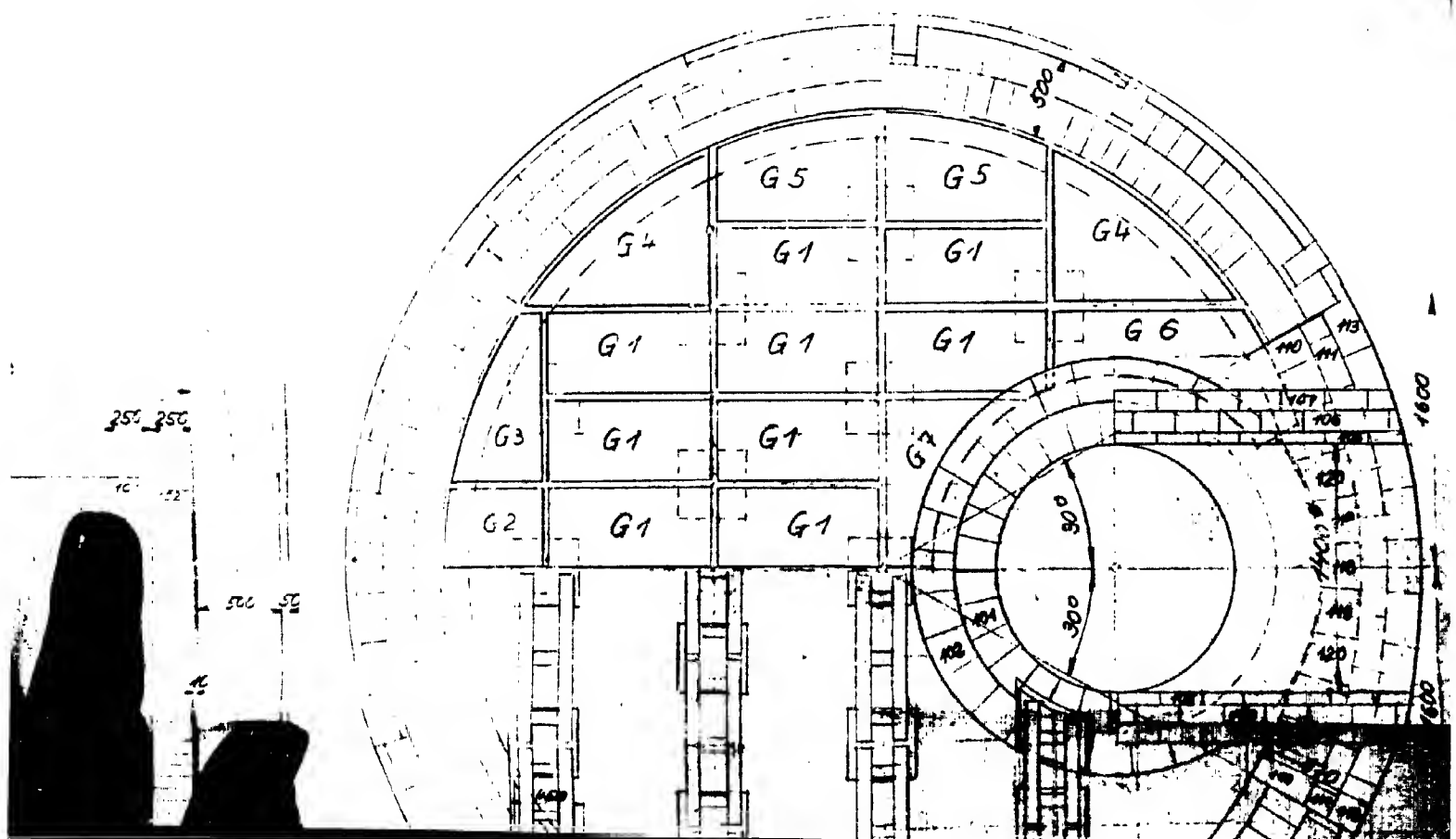
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1000



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 Toren 10 Stein anstoßen.  
 un Mantel anstoßen.

Schnitt C-D



Jeden 5. Stein des Umfangs  
an Mantel anstoßen.

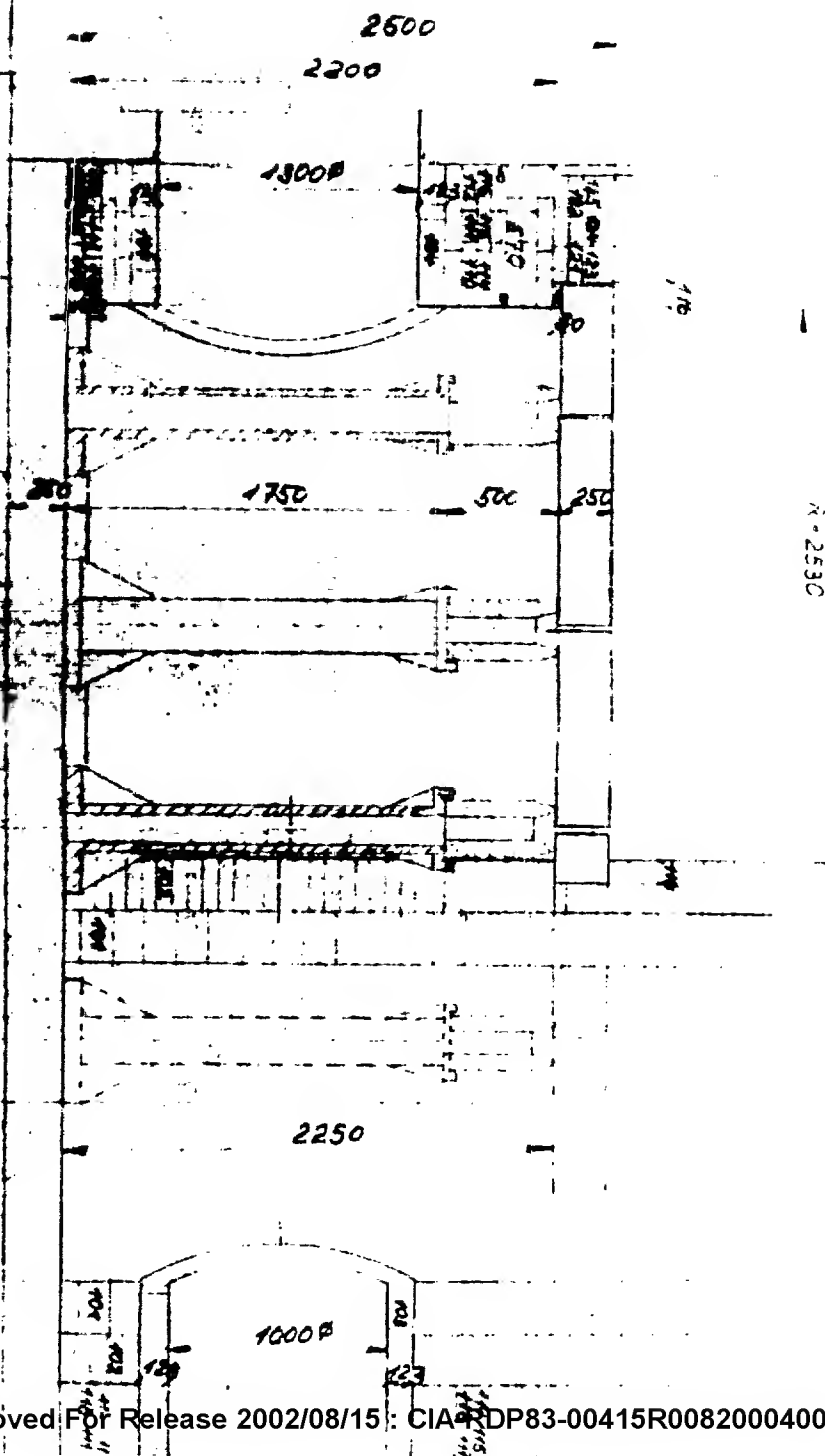
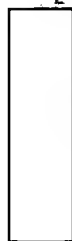
Jeden 10. Stein anstoßen.

Schnitt C-D

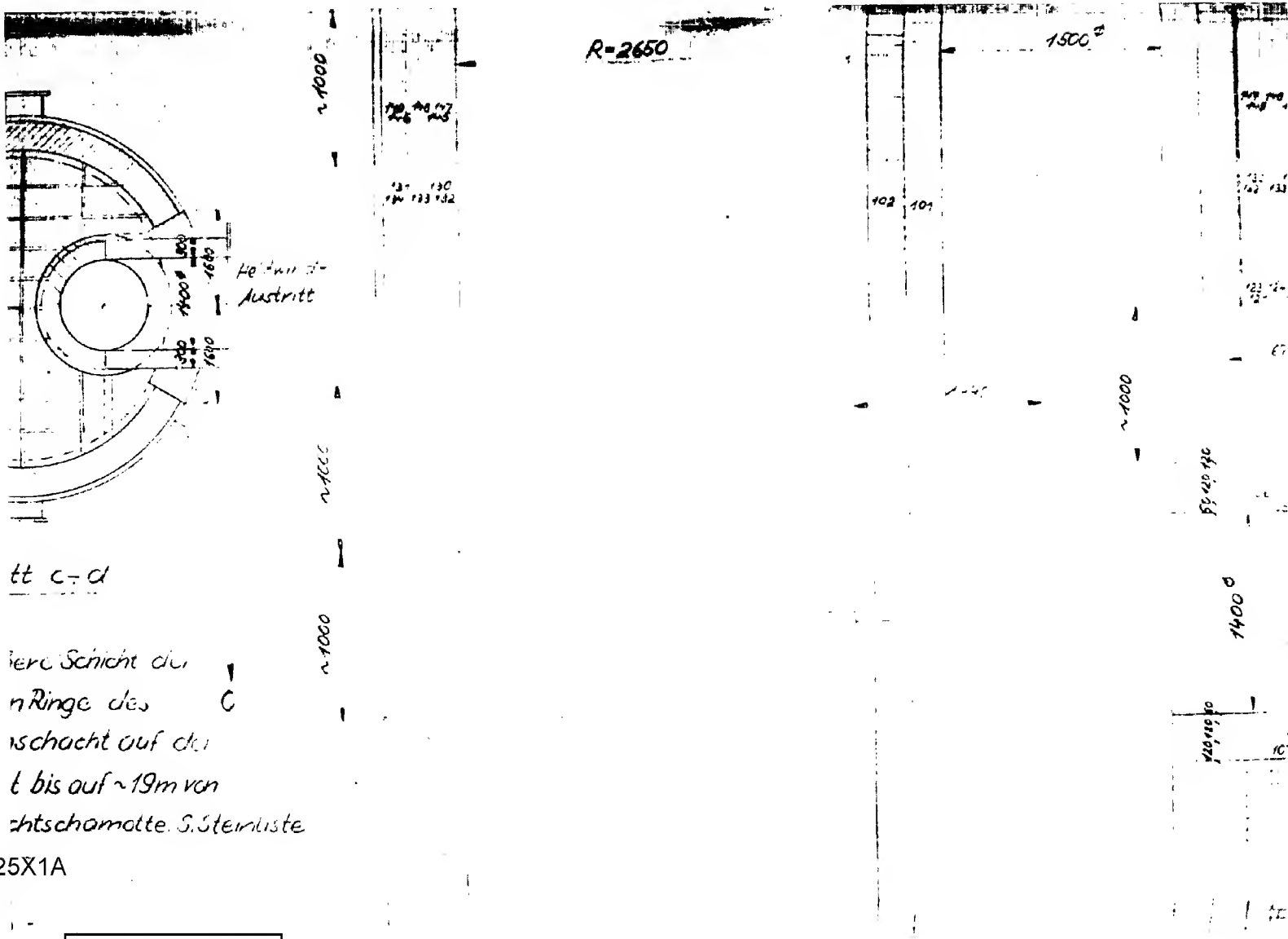
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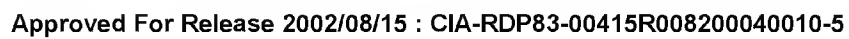
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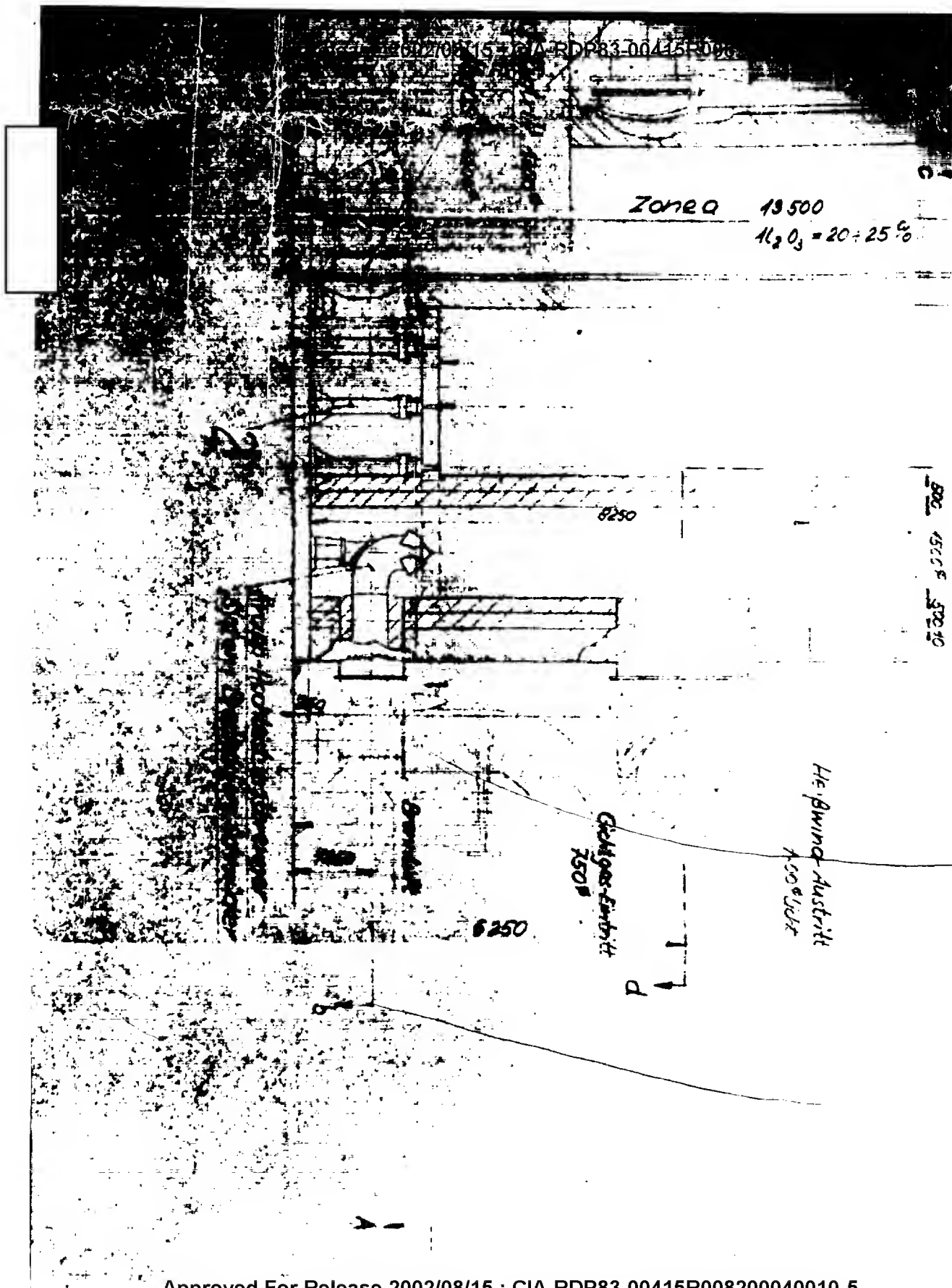


Fahrloch





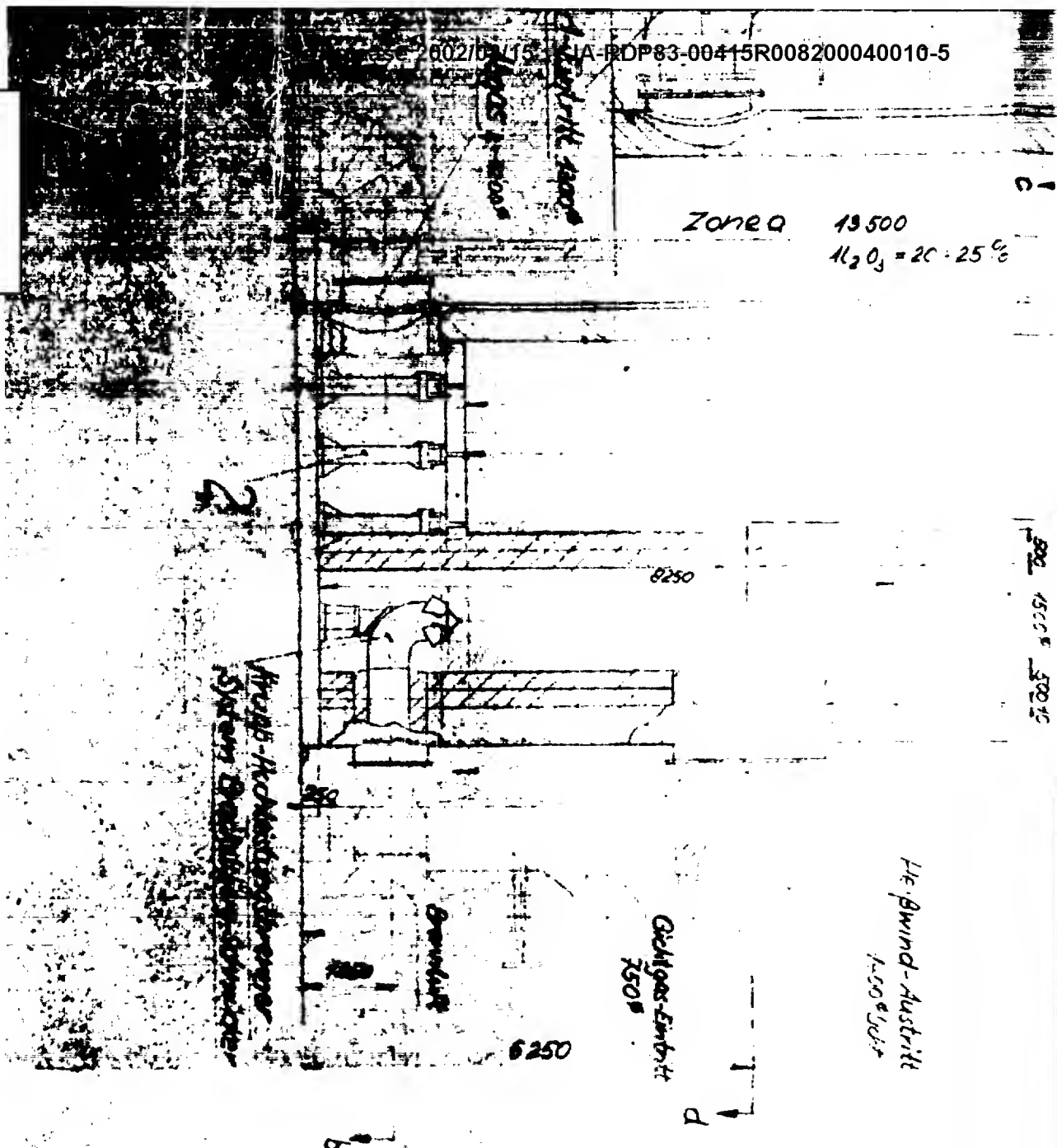
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Mantel u. Gitterwerk

Zone b 13 000

$Al_2O_3 = 30-35\%$

5%

8 200

5300

6400

800

1500

1500

800

30 000 Gitterwerk

21 700

Lock: 70-70

300

Übergang

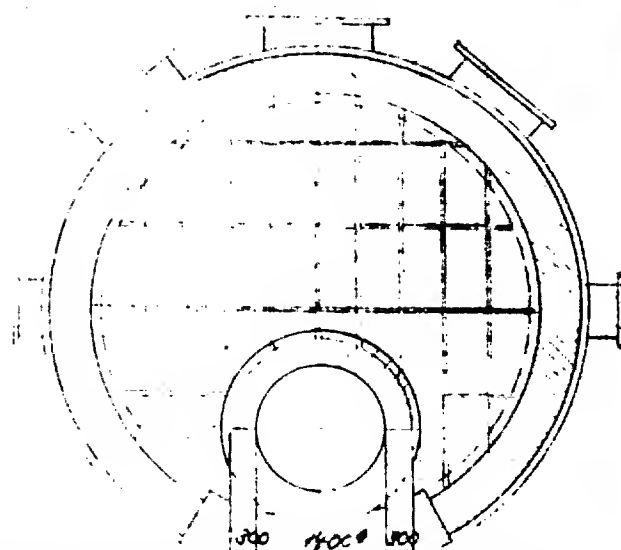
Brennschicht

32 500

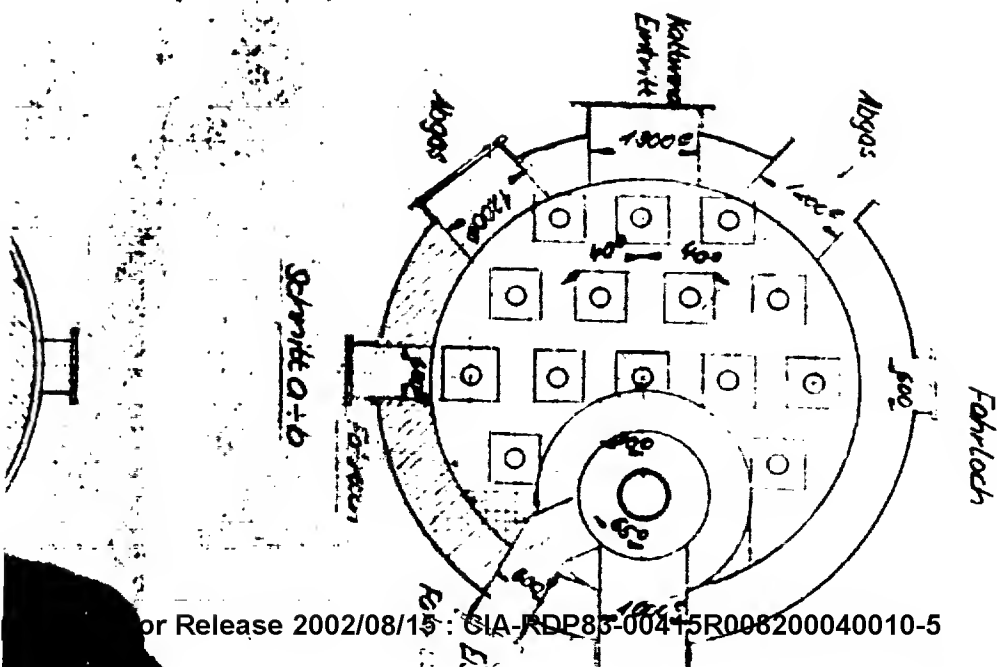
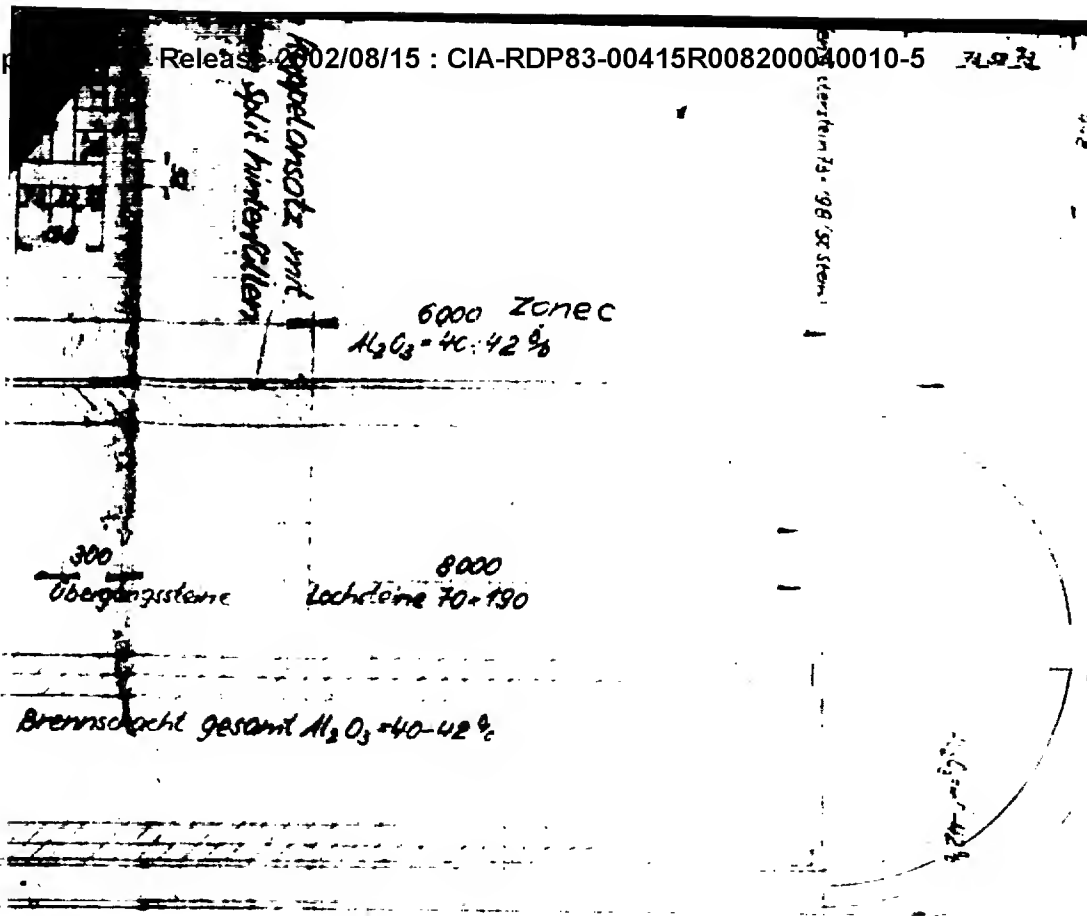
36 650

Achtung! Die äußere Schicht der Kuppel, die äußeren Ringe des Mantels (am Brennschicht auf der ganzen Höhe, sonst bis auf ~19m von oben herab) aus Leichtschamotte. S. Ste

Schnitt c-d



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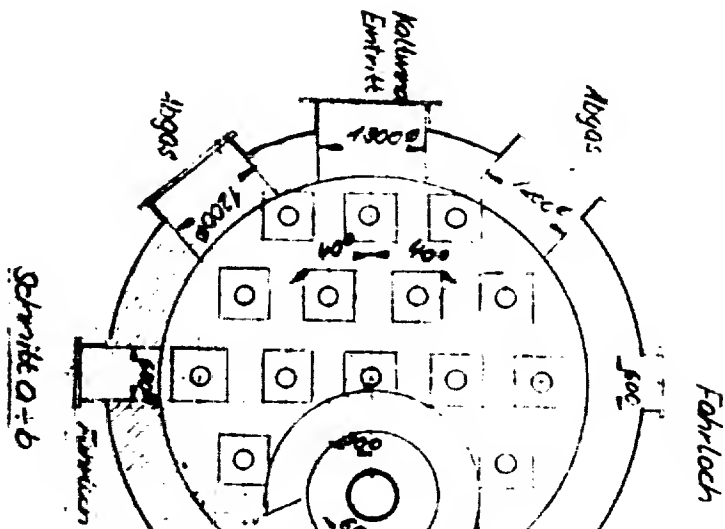
Kuppelansatz mit  
System Spitz hinterfallen

6000 ZONEC  
 $Al_2O_3 = 40-42\%$

300  
Übergangsteure

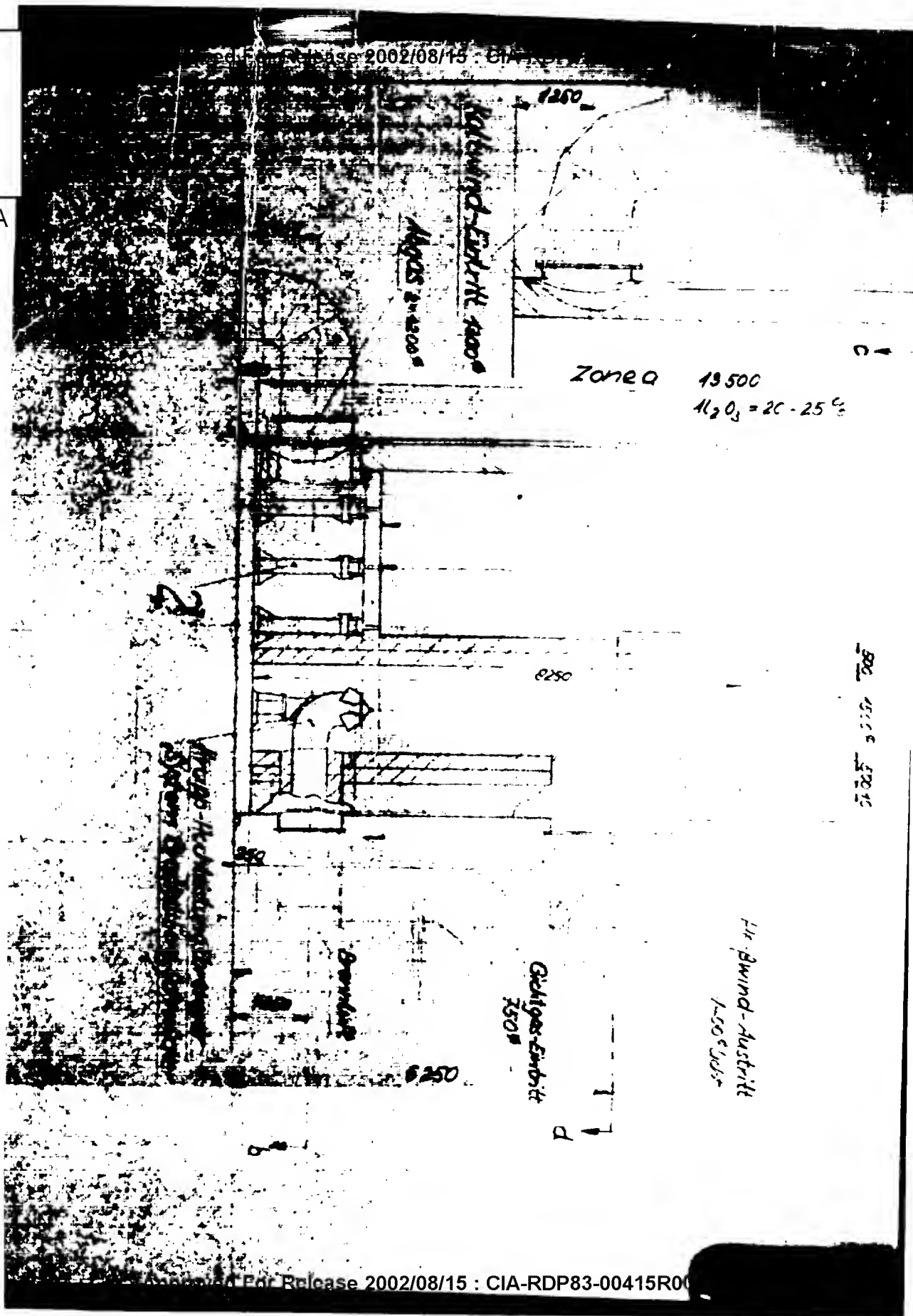
8000  
Lochdicke 70+190

Brennschicht Gesamt  $Al_2O_3 = 40-42\%$



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H2 Wind-Austritt  
1-50° 305°

2

Zone A

19.500  
H2O3 = 20-25 °C

H2O 1515° 52215

H2 Wind-Austritt  
1-50° 305°

Geflügel-Eintritt  
750°

Bauhaus

1250

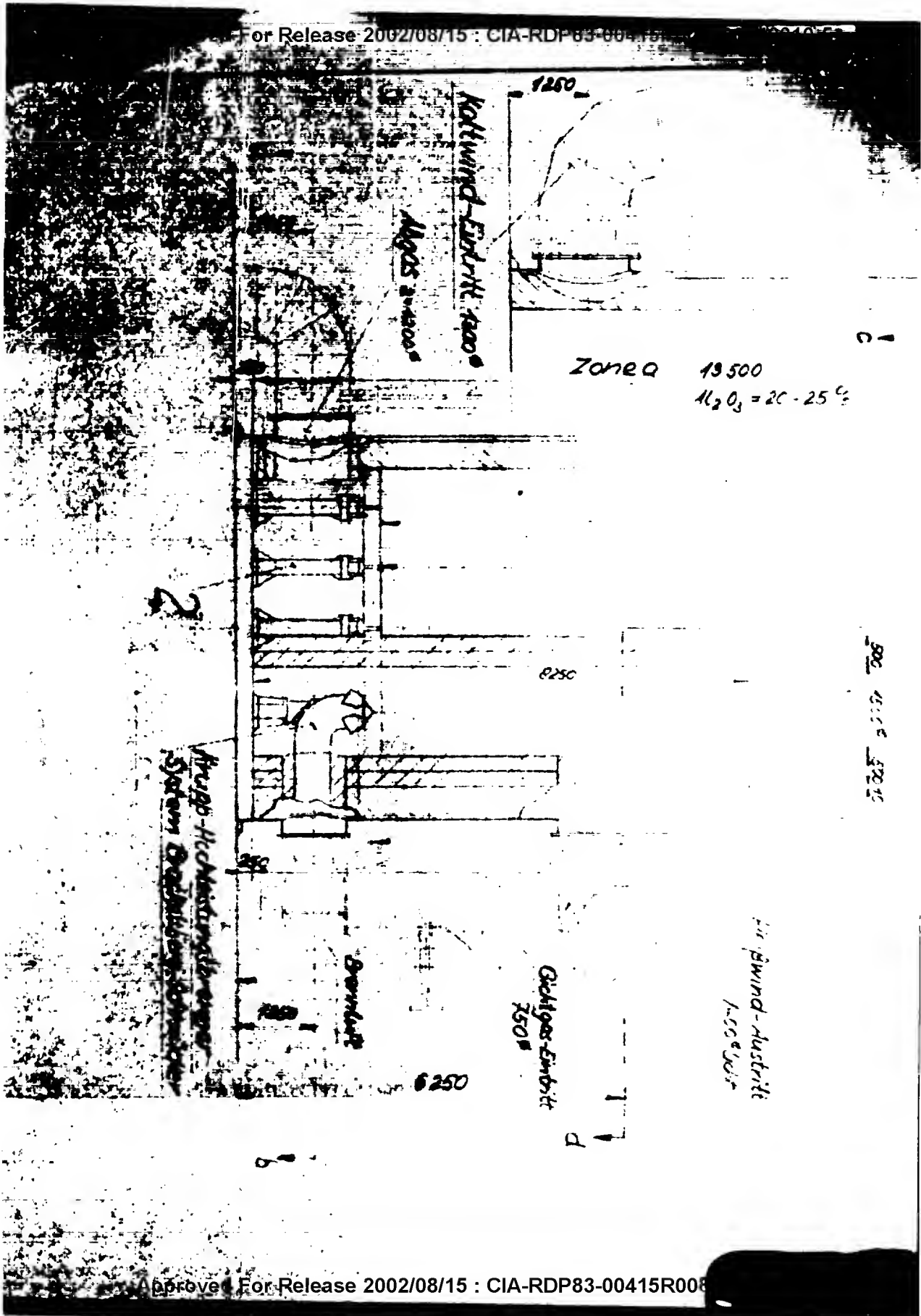
1250

1250

Abgas 2-4000°

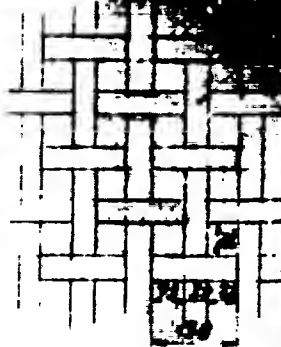
Kulwind-Eintritt 1000°

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Profil der Gitterwand 73-73 (30 mm)



Mantel u. Gitterwerk

Zone 6 13 000  
 $Al_2O_3 = 30-35\%$

30 000 Gitterwerk

21 700  
Lochab. 70-70

300  
Übergangsst.

Brennschicht

32 500

36 650

Schnitt C-A

ichtung, die äußere Schicht  
Kupfer, die äußeren Ring  
Mantels (am Brennschicht)  
ganzen Höhe, sonst bis auf  
oben herab aus Leichtschan

25X1A

U. 60, 167

bis zum Kuppelansatz mit  
feuerfestem Spli hinterfüllen

6000 Zrnec  
 $Al_2O_3 = 40: 42\%$

300  
übergr. 355 cm

8000  
Locksline 70+190

Brennschicht gesamt  $Al_2O_3 = 40-42\%$

